

## INTERNATIONAL SEARCH REPORT

Intern I Application No

PCT/IB 03/03854

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 F21V7/22

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F21V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

PAJ, EP0-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 13, 5 February 2001 (2001-02-05) -& JP 2000 276908 A (KOITO MFG CO LTD), 6 October 2000 (2000-10-06) abstract	1
Y		2,3,10, 13-15
A		7,9
X,P	& US 6 568 840 A (KOITO MANUFACTURING CO., LTD.) 27 May 2003 (2003-05-27) column 4, line 36 - line 63 figures 4A,4B	1
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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- "A" document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

7 November 2003

Date of mailing of the international search report

17/11/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 340 954 A (POLYPLASTICS CO) 8 November 1989 (1989-11-08) page 2, line 42 - line 49 page 4, line 57 - line 58 page 5, line 16 - line 23 claim 1	2,3
A	----	1
Y	GB 357 257 A (BENJAMIN ELECTRIC LTD; GUY CAMPBELL; HAYDN THIES HARRISON) 24 September 1931 (1931-09-24) page 1, line 26 - line 34 page 2, line 32 - line 46 claims 1,4	10
A	----	1
Y	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 06, 31 July 1995 (1995-07-31) & JP 07 084531 A (TSUTSUNAKA PLAST IND CO LTD), 31 March 1995 (1995-03-31) abstract	13,14
A	----	1
X	US 2001/040809 A1 (ENTROP JEAN PAUL ET AL) 15 November 2001 (2001-11-15) page 1, paragraphs 10,11 page 2, paragraphs 18,19 figure 2	1,2
Y	-----	15

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 2000276908	A	06-10-2000	CN 1268642 A , B US 6568840 B1	04-10-2000 27-05-2003
EP 0340954	A	08-11-1989	JP 1849394 C JP 2008247 A JP 5058454 B AT 130344 T DE 68924801 D1 DE 68924801 T2 EP 0340954 A2 KR 9203905 B1 US 4885321 A	07-06-1994 11-01-1990 26-08-1993 15-12-1995 21-12-1995 04-07-1996 08-11-1989 18-05-1992 05-12-1989
GB 357257	A	24-09-1931	NONE	
JP 07084531 8	A		NONE	
US 2001040809	A1	15-11-2001	EP 1243847 A1 AU 6213601 A BR 0105571 A CA 2376127 A1 CN 1366593 T CZ 20014309 A3 WO 0175358 A1 HU 0202278 A2 JP 2003529898 T NO 20015911 A PL 351119 A1 US 2001040808 A1	25-09-2002 15-10-2001 19-03-2002 11-10-2001 28-08-2002 13-03-2002 11-10-2001 28-10-2002 07-10-2003 03-12-2001 24-03-2003 15-11-2001